

## Supporting field study measurements from academic partners

Measurement approach	Analytes	Frequency	Laboratory
<b>Changes in geochemical conditions</b>			
Dialysis sampler	Sulfate, methane, organic acids, ammonium, orthophosphate, conductivity	Quarterly	Dr. Andrew Jackson, Texas Tech Univ. Dr. John Pardue Louisiana State University
Mercury speciation	Total Hg, Methylmercury and non-cinnabar (HgS) mercury	Semiannually	Dr. John Reinfelder Rutgers University
<b>Microbial Community Analysis</b>			
Quantitative microarray	Dhc, Dhb, <i>Dehalogenimonas</i> spp. (Dhg), <i>Desulfitobacterium</i> spp. (DSB), <i>Dehalobium chlorocoercia</i> (DECO), <i>Desulfuromonas</i> spp. (DSM)	Quarterly	Microbial Insights, Knoxville, TN
Stable isotope probing	Measurement of actively dechlorinating microbial population	Semiannually	Dr. Donna Fennell, Rutgers
Functional genes	PAH and aromatic degrading and dechlorination functional genes	Semiannually	Dr. Lily Young, Rutgers Dr. Donna Fennell, Rutgers
<b>Bioavailability of CoCs in sediment porewater</b>			
Passive sampling via PDMS and DGT	PCBs and dioxins, PAHs and Hg	Semiannually	Dr. Danny Reible, Texas Tech University